

## CLAIMS

1. An electronic access control device,  
comprising:

- 5 (a) a movable locking member;
- (b) a latch member movable between an open position and a locked position, said latch member in said locked position interfering with movement of said locking member;
- 10 (c) an electrical unit operable to control said latch member and connected to a power supply;
- (d) a movement detector that generates a first signal in response to movement of said locking member;
- 15 (e) a key detector that generates a second signal in response to detecting a key; and
- (f) said power supply directing current in said electrical unit in one direction to increase resistance to movement of said locking member in response to said first signal, and said power supply directing current in said electrical unit in an opposite direction to decrease resistance to movement of said locking member in response to said second signal.
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2. The electronic access control device of claim 1 wherein said electrical unit is an electric motor.

3. The electronic access control device of claim 1 wherein said electrical unit is a solenoid.

24. The electronic access control device of claim 1, further including a releasing mechanism to move said latch member to said open position when current

flows in said electrical unit in response to said second signal.

5 <sup>2</sup>~~3~~ 5. The electronic access control device of claim ~~4~~ wherein said releasing mechanism is a spring.

10 <sup>4</sup>~~5~~ 6. The electronic access control device of claim 1, further including an anti-releasing mechanism that urges said latch member toward said locked position.

10 <sup>4</sup><sup>5</sup>~~6~~ 7. The electronic access control device of claim ~~6~~ wherein said anti-releasing mechanism is a spring.

15 <sup>4</sup><sup>6</sup>~~7~~ 8. The electronic access control device of claim ~~7~~, further including a releasing mechanism to move said latch member to said open position when current flows in said electrical unit in response to said second signal.

20 <sup>3</sup>~~8~~ 9. The electronic access control device of claim 1 wherein said locking member, said latch member, said electrical unit, and said power supply are housed in an enclosure comprised of at least two parts, said two parts being matingly engageable with one another.

25 <sup>Sub</sup>  
<sup>C5</sup> 10. The electronic access control device of claim 1, further comprising a key management system wherein said first key detected by said key detector becomes a master key.

30 <sup>3</sup><sup>9</sup>~~10~~ 11. The electronic access control device of claim ~~10~~ wherein said key management system stores a plurality of authorized key codes, and said key management system adds another key code to said  
35 authorized key codes in response to receiving from said key detector a signal corresponding to said master key and another signal corresponding to another key.

<sup>11</sup>  
~~12~~. An electronic access control device,  
comprising:

- (a) a movable locking member;
- (b) a locking mechanism operable to  
control said locking member;
- (c) a movement detector that generates a  
first condition in response to  
movement of said locking member;
- (d) a key detector that generates a  
second condition in response to  
detecting a key; and
- (e) said locking mechanism increasing  
resistance to movement of said  
locking member in response to said  
first condition, and said locking  
mechanism decreasing resistance to  
movement of said locking member in  
response to said second condition.

<sup>12</sup>  
~~13~~. The electronic access control device of  
claim <sup>11</sup>~~12~~, further including an anti-releasing mechanism  
operable with said locking mechanism to increase  
resistance to movement of said locking member.

<sup>13</sup>  
~~14~~. The electronic access control device of  
claim 12 wherein said locking mechanism includes a  
solenoid.

<sup>14</sup>  
~~15~~. The electronic access control device of  
claim <sup>11</sup>~~12~~ wherein said locking mechanism includes an  
electric motor.

<sup>15</sup>  
~~16~~. The electronic access control device of  
claim <sup>11</sup>~~12~~ wherein said locking member and said locking  
mechanism are housed in an enclosure comprised of at  
least two parts, said two parts being matingly engageable  
with one another.

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17. The electronic access control device of claim 12, further comprising a key management system wherein said first key detected by said key detector becomes a master key.

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15 18. The electronic access control device of claim 17 wherein said key management system stores a plurality of authorized key codes, and said key management system adds another key code to said  
10 authorized key codes in response to receiving from said key detector a signal corresponding to said master key and another signal corresponding to another key.

15 19. An electronic access control device, comprising:

- (a) a control mechanism regulated by a computer system;
- (b) a key detector that generates different key codes in response to  
20 detecting at least some keys;
- (c) said computer system capable of storing a plurality of authorized key codes, said computer system operable to regulate said control mechanism in  
25 response to one of said authorized key codes; and
- (d) said computer system storing a master key code in response to a first key code generated by said key detector, so that a first key detected by said  
30 key detector becomes a master key capable of controlling storage of said authorized key codes.

35 20. The electronic access control device of claim 19 wherein said computer system comprises a processor and a memory device.

5                    22. The electronic access control device of  
claim 19 wherein said actuating mechanism includes a  
locking mechanism.

24. The electronic access control device of  
15 claim 19 wherein said actuating mechanism prevents use of  
an electrical device.

26. The electronic access control device of claim 19, wherein said control mechanism, said key detector, and said computer system are housed in an enclosure comprised of at least two parts, said two parts being matingly engageable with one another.

27. The electronic access control device of claim 19 wherein said computer system adds a new key code to said plurality of authorized key codes in response to receiving from said key detector a signal corresponding

to said master key and another signal corresponding to a new key.

28. The electronic access control device of claim 19 wherein said computer system subtracts an old key code from said plurality of authorized key codes in response to receiving from said key detector a signal corresponding to an old key and a signal corresponding to said master key.

29. An electronic access control device, comprising:

- (a) an enclosure comprised of at least a base member and a housing detachably matingly engageable with one another, said enclosure containing a locking mechanism to control a locking member having respective locked and open positions;
- (b) said base member having mounting members that attach said base member to a surface; and
- (c) a catch mechanism cooperating with said housing and said base member that limits relative movement therebetween when said housing is matingly engaged with said base member to form said enclosure and said locking member is in a locked position.

30. The electronic access control device of claim 29, further including a strike unit, and said enclosure defining one or more openings, each of said openings of said enclosure facing at least one of the surface and said strike unit when said locking member is received by said strike unit.

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